CLAIMS

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- 1. [CURRENTLY AMENDED] In the j-laying of a pipeline from an offshore
- 3 floating vessel, the method for raising a pipe section from a horizontal position
- 4 proximate the deck of said floating vessel to alignment with a mast for being connected
- to the end of the pipeline, comprising
- 6 providing a main support arm which is pivoted from proximately a horizontal
- 7 position to a position proximately parallel to said mast,
- providing a rotational axis mounted on and approximately parallel to said main
- 9 support arm,
- providing grabbers mounted on said rotational axis,
- engaging said pipe section proximate said deck.
- rotating said grabbers about the center of said rotational axis from a position below
- said rotational axis to a second position above said rotational axis,
- pivoting said main support arm and said pipe section to a position proximately
- parallel to said mast, and
- extending said pipe section [away from] moving along a radial direction from
- said rotational axis [in a radial direction] to said mast.
- 18 2. [PREVIOUSLY AMENDED] The method of claim 1, further comprising extending
- said grabbers to first position to engage said pipe section proximate said deck.
- 20 3. [PREVIOUSLY AMENDED] The method of claim 2, further comprising retracting
- said grabbers to a third position closer to said rotational axis than said first position prior
- 22 to rotating said grabbers about said rotational axis to said second position.

- 4. [PREVIOUSLY AMENDED] The method of claim 3, further comprising moving said pipe section from said second position to a fourth position for delivery to said mast using a scissor mechanism.
 - 5. [PREVIOUSLY AMENDED] The invention of claim 4, further comprising using a force parallel to said rotational axis to extend and retract said scissor mechanism and said grabbers proximately perpendicular to said rotational axis.
- 6. [PREVIOUSLY AMENDED] The invention of claim 5, further providing using hydraulic cylinders to provide said force to extend and retract said scissor mechanism.
 - 7. [CURRENTLY AMENDED] In the j-laying of a pipeline from an offshore floating vessel, the method for raising a pipe section from a horizontal position proximate the deck of said floating vessel to alignment with a mast for being connected to the end of the pipeline, comprising
 - providing a main support arm which is pivoted from proximately a horizontal position to a position proximately parallel to said mast about a pivot axis,
 - providing a rotational axis mounted on said main support arm proximately perpendicular to said pivot axis,
- 17 providing grabbers mounted on said rotational axis,

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- moving [extending] said grabbers radially away from said rotational axis to a first position a first distance from said rotational axis to allow said grabbers to engage said pipe section proximate said deck,
- rotating said grabbers about the center of said rotational axis from a position below said rotational axis to a second position above said rotational axis,
- pivoting said main support arm and said pipe section about said pivot axis to a position proximately parallel to said mast, and

- 1 moving [extending] said pipe section away from said rotational axis to said mast.
- 2 8. [PREVIOUSLY AMENDED] The method of claim 7, further comprising extending
- 3 said grabbers from said second position to a fourth position for delivery of said pipe
- 4 section to said mast.
- 9. [PREVIOUSLY AMENDED] The method of claim 8, further comprising extending
- 6 said grabbers from said second position to said fourth position by a scissors
- 7 mechanism.
- 8 10. [PREVIOUSLY AMENDED] The invention of claim 9, further comprising using a
- 9 force parallel to said rotational axis to extend and retract said scissor mechanism.
- 10 11. [PREVIOUSLY AMENDED] The invention of claim 10, further providing using
- 11 hydraulic cylinders to provide said force to extend and retract said scissor mechanism.
- 12. [CURRENTLY AMENDED A method of raising a pipe section from the deck of an
- 13 floating vessel to a mast for welding onto the end of a pipeline suspended from said
- 14 floating vessel for deploying said pipe section and the welded pipeline into the water as
- 15 a pipeline, comprising
- providing a main support arm with a pivot axis proximate one end of said main
- 17 support arm.
- providing a rotational axis along said main support arm proximately perpendicular
- 19 to said pivot,
- 20 mounting one or more grabbers on said rotational axis to engage said pipeline
- section proximate said deck when said grabbers are in a first position;
- 22 rotating said one or more grabbers to a second position relative to said main
- 23 support arm.

- pivoting said main support arm from a generally horizontal angle to a generally vertical angle, and
- moving [extending] said pipe section away from said rotational axis to said mast.
- 4 13. [ORIGINAL] The method of claim 12, further comprising moving said grabbers
- 5 to a third position closer to said rotational axis prior to rotating said one or more
- 6 grabbers to said second position.
- 7 14. [PREVIOUSLY AMENDED] The method of claim 13, further comprising moving
- 8 said pipe section from said first position to said third position using a scissor
- 9 mechanism.
- 15. [ORIGINAL] The method of claim 12, further comprising extending said
- grabbers to a fourth position further from said rotational axis than said second position
- while delivering said pipe section to said mast.
- 13 16. [PREVIOUSLY AMENDED] The method of claim 15, further comprising moving
- 14 said pipe section from said second position to said fourth position using a scissor
- 15 mechanism.
- 17. [PREVIOUSLY AMENDED] The invention of claim 16, further comprising using a
- force parallel to said rotational axis to extend and retract said scissor mechanism.
- 18. [PREVIOUSLY AMENDED] The invention of claim 17, further providing using
- 19 hydraulic cylinders to provide said force to extend and retract said scissor mechanism.
- 20 19. [CANCELLED]
- 21 20. [CANCELLED]
- 22 21. [CANCELLED]